

# peachtree

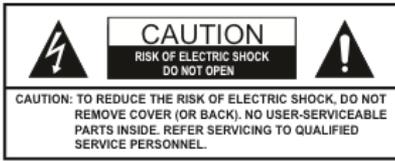


**amp**<sup>500</sup>

# IMPORTANT SAFETY INSTRUCTIONS

- 1 Read these instructions – All the safety and operating instructions should be read before this product is operated.
- 2 Keep these instructions – The safety and operating instructions should be retained for future reference.
- 3 Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water – The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool, and the like.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
-  12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way such as the power cord or plug is damaged. Other damage may occur if liquid or objects have been dropped or spilled into the apparatus. Dropping the apparatus, exposure to rain, and excessive moisture may cause additional damage.
- 15 Please keep the unit in a good ventilation environment.
- 16 CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
- 17 WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing and objects filled with liquids, such as vases, shall not be placed on apparatus.

- 18 **WARNING:** The mains plug/appliance coupler is used as disconnect device, the disconnect device shall remain readily operable.



- 19 The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

**WARNING:** To reduce the risk of electric shock, do not remove cover (or back), as there are no user-serviceable parts inside. Refer servicing to qualified personnel.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.

- 20 No naked flame sources, such as lighted candles, should be placed on the apparatus.



- 21 **WARNING:** The terminals marked with symbol of “+/-” may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the use of ready-made insulated leads or cords.
- 22 Correct disposal of this product. This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

## Unpacking and Warranty

- 1 Please keep all packing materials for any potential shipping needs.
- 2 Please keep a copy of the sales receipt and note the serial number on it for warranty and insurance purposes.
- 3 Please register your product online at [www.peachtreeaudio.com](http://www.peachtreeaudio.com).



Marking by the “CE” symbol (shown left) indicates compliance of this device with the EMC (Electromagnetic Compatibility) and LVD (Low Voltage Directive) standards of the European Community.



Note: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. The equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

# amp<sup>500</sup>

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- ▶ Troubleshooting
- ▶ Warranty and Repair
- ▶ Specifications

# INTRODUCTION

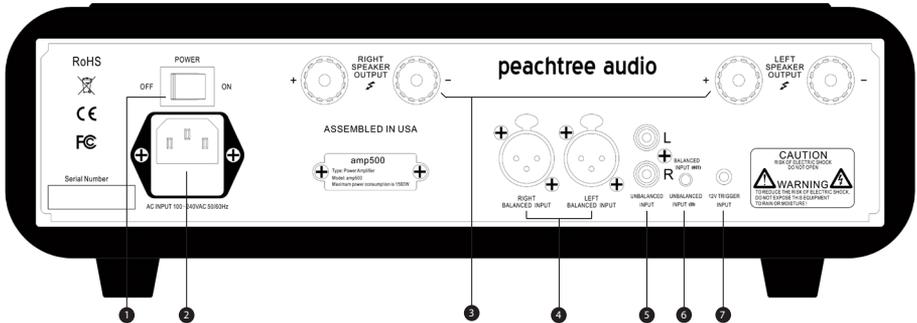
Thank you for choosing the Peachtree Audio amp500! The amp500 is a stand alone power amplifier based on the amplifier section integrated into the nova500. The amp500 is one of the cleanest, neutral, and most powerful amplifiers available today. The amp500 offers a staggering 500 WPC that recreates the natural power and dynamics of live music with ease and a fully balanced topology that is extremely musical and faithful to the source material. The amp500 includes balanced and unbalanced inputs, a discrete class-A buffer stage and low noise linear voltage regulators for input circuits. The amp500 is compatible with speakers from 2.5Ω to 16Ω and should have no problem driving the wide range of speakers available today.

Please take the time to read this manual and visit [www.peachtreeaudio.com](http://www.peachtreeaudio.com) to register your amp500. We will extend the standard warranty if you do and your information will not be shared with anyone. We will only contact you with news that is relevant to your nova purchase! If you have additional questions or feedback please contact your reseller or Peachtree Audio directly.

We sincerely hope that you love your amp500 and that it brings you many years of enjoyment. It represents the very best of what we do. Thank you again for choosing Peachtree Audio and happy listening!

- Your friends at Peachtree Audio

# BACK PANEL



- 1 Power ON/OFF Switch:** Connects and disconnects AC INPUT to the unit when the power cord is connected between the AC INPUT and a 100-240VAC 50/60Hz AC outlet.
- 2 AC INPUT & Fuse Holder:** For connection to a 100-240VAC 50/60Hz AC outlet using the included power cord. The fuse can be replaced after turning the POWER switch OFF and removing the power cord from the AC INPUT. See the SPECIFICATIONS section for the specific fuse values required for each amp500 model. Caution: using an improper fuse value may cause damage to the unit. Peachtree Audio accepts no responsibility for any damage caused by the use of improper fuse values.
- 3 RIGHT & LEFT SPEAKER Outputs:** Speaker binding post outputs that accept banana connectors (insert into hole on back of the post), spade connectors (loosen, position spade around post, tighten), pin connectors (loosen, insert pin through hole on post, tighten) or bare wire connections (loosen, loop around post or insert through hole on the post, tighten).
- 4 RIGHT & LEFT BALANCED INPUT:** XLR style input that accepts a balanced (differential) audio signal from a preamplifier equipped with a balanced audio output.
- 5 RIGHT & LEFT UNBALANCED INPUT:** RCA style input that accepts a standard audio signal from a preamplifier equipped with an unbalanced output.
- 6 INPUT SELECTOR:** Push in for UNBALANCED input and out for BALANCED input. Note: Do not change the input selection while the unit is powered on.
- 7 12V TRIGGER INPUT:** Enables power on/off control from another product with a 12V trigger output. Insert one 3.5mm cable into this input and connect the other end to a 12V trigger output of the controlling product. Once connected, both products should power on and off when using the on/standby button on the front panel or remote control of the connected product.

## FRONT PANEL



- ① **On/Standby Button:** With the AC power cord connected and the rear panel **POWER** switch set to **ON**, this button toggles the unit between On mode which lights the LED blue and Standby mode which lights the LED red.

## TROUBLESHOOTING

### ISSUE

### SOLUTIONS

The amp500 will not power on

Check that the power switch on the back panel is on. If it is, the on/standby LED on the front panel LED should be lit red. Check that the AC outlet is functioning correctly by plugging in a lamp or other device to confirm its operation. Check that the product controlling the amp500 is turned on if using the 12V trigger input feature of the amp500.

The amp500 powers on, but there is no sound

Check that the INPUT SELECTION switch on the rear panel is set to the proper input: UNBALANCED OR BALANCED. Note: Do not change the input selection while the unit is powered on.



### Interested in the Green Movement?

- The amp500 meets European RoHS standards for non-hazardous metals
- The amp500 draws less than half a watt of power in standby mode
- The internal power amplifier is set to minimize power consumption when head phones are used
- We are committed to continue exploring additional methods for making our products even more environmentally friendly

# WARRANTY AND REPAIR

## **International Warranty**

Peachtree Audio warrants this product for two (2) years, parts and labor, from the original date of purchase from an authorized Peachtree Audio re-seller. If you register your product online at [www.peachtreeaudio.com/support/product-registration.html/](http://www.peachtreeaudio.com/support/product-registration.html/), the warranty is extended to three (3) years, parts and labor.

Peachtree Audio reserves the right to refuse any warranty claims if coverage cannot be verified by a valid proof of sale or serial number.

Peachtree Audio assumes no responsibility for product failures caused by accident, neglect, misuse, modification or unauthorized repair.

Warranty does not cover shipping costs.

Visit [www.peachtreeaudio.com](http://www.peachtreeaudio.com) for complete warranty details.

## **Repair Process**

In the event that a product fails, please repack it in its original carton and contact an authorized Peachtree reseller for further instructions. If the reseller is unable to assist, please contact Peachtree Audio directly at [service@peachtreeaudio.com](mailto:service@peachtreeaudio.com) or +1-704-391-9337 to obtain a Return Authorization (RA) number *prior* to shipping the product.

Any products received without an RA number may be misdirected and repair delayed.

If a RA number is issued by Peachtree Audio, please ship the product using FedEx or UPS. Do not ship using a Postal Service.

Peachtree Audio assumes no responsibility for products in transit. Please insure the shipment for the product's replacement value in the unlikely event it is lost, stolen or damaged in transit.

US Shipping Address:

Peachtree Audio  
13087 Bleinheim Lane  
Suite C  
Matthews NC 28105  
USA  
RA# \_\_\_\_\_

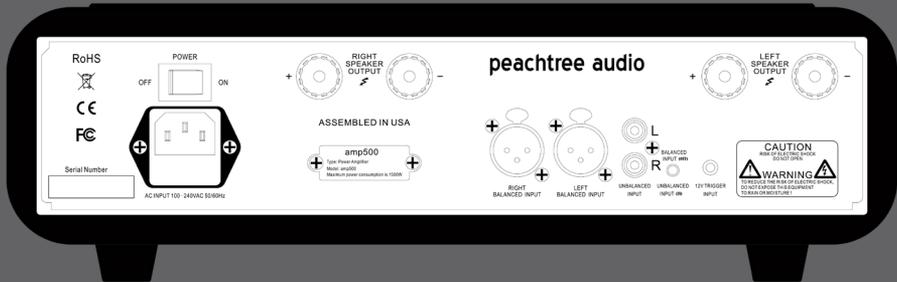
[www.peachtreeaudio.com](http://www.peachtreeaudio.com)

## SPECIFICATIONS

Compatible Speakers	2.5-16 $\Omega$
Output Power (WPC, 8 $\Omega$   4 $\Omega$ , <1% THD+N, AES17)	500   700
Dynamic Range (A-weighted)	127dB
Damping Factor (1kHz)	>650 (4 $\Omega$ )
Frequency Response (20 - 20kHz)	<+/-0.4dB
Inter-Modulation Distortion (TBD)	>80dB below fundamental
Total Harmonic Distortion (AES17, 1kHz, 4 $\Omega$ )	0.003 %
Channel Separation (1kHz, 8 $\Omega$ )	>90dB
Balanced input impedance	100K ohm (across pins 2-3)
Unbalanced input impedance	100K ohm
AC power	100-240v 50/60 Hz
Fuse size for 115v	10 amp 250v slow-blow
Fuse size for 230v	5 amp 250v slow-blow
Standby power consumption	<0.5 W
Idle power consumption	30 W
Maximum power consumption	1500 W (peak)
Height (including Feet)	111 mm   4.37 inches
Width	356 mm   14.02 inches
Depth (including power button and binding post)	343 mm   13.50 inches
Weight (shipping)	343 mm   13.50 inches (8.414 kg   18.55 lbs)

All specifications subject to change without notice.

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# amp<sup>500</sup>